



ELSEVIER

Carbohydrate Research 266 (1995) C7–C8

CARBOHYDRATE  
RESEARCH

## AUTHOR INDEX

Adam, M.J. 273  
André, C. 15  
Angyal, S.J. 143  
Augé, J. 211

Bach, R. 15  
Baker, D.C. 301  
Barnes, C.L. 5  
BeMiller, J.N. 81

Chapelle, S. 161  
Conrad, H. 115

Dabrowski, J. 221  
Dabrowski, U. 221  
Dell, A. 95  
Deryabin, V.V. 103  
Drouillat, B. 211

Edebrink, P. 237

Feather, M.S. 5  
Fuhrhop, J.-H. 15

Gamian, A. 221  
Gawronski, M. 115  
Gizaw, Y. 81  
Glinsky, G.V. 5  
Gorin, P.A.J. 309  
Gouéth, P. 171  
Gray, J.S.S. 147, 153

Hansen, S.H. 37  
Harata, K. 75  
Heinze, T. 315  
Helin, J. 191  
Holme, T. 237  
Hull, S.R. 147

Iacomini, M. 309  
Ikeshita, S. C1

Jain, R.K. 279  
Jansson, P.-E. 237  
Jindrich, J. 75  
Johnson, S.C. 301  
Joseph, B. 321

Katzenellenbogen, E. 221  
Keane, A. 191  
Kim, D. 293  
Klauffke, W. 285  
Klemm, D. 315  
Knirel, Y.A. 103  
Koerner, T.A.W. 147, 153  
Kopp, F. 115  
Koschel, A. 115  
Kuzuhara, H. 263

Lahaye, M. 53  
Lamba, D. 65  
Larnkjaer, A. 37  
Likhoshesterov, L.M. 103  
Lindberg, B. 75  
Lubineau, A. 211  
Luger, P. 15

Maaheimo, H. 191  
Mackenzie, G. 171  
Mackie, W. 65  
Matsui, K. 263  
Matta, K.L. 279  
McCarter, J.D. 273  
Metro, F. 53  
Monschau, N. 115  
Montgomery, R. 147, 153  
Mossine, V.V. 5

Nakahara, Y. C1  
Noble, J.M. 229

Ochs, S. 87  
Odier, L. 143  
Ogawa, T. C1

Østergaard, P.B. 37

Park, S.-M. 129

Parolis, H. 95

Pitha, J. 75

Quemener, B. 53

Rahman, M. 237

Rahman, M.M. 237

Ramiz, A. 171

Reason, A.J. 95

Renkonen, O. 191

Robyt, J.F. 293

Rollin, P. 321

Romanowska, E. 221

Ronco, G. 171

Röttig, K. 315

Saenger, W. 1

Sahm, H. 115

Sakairi, N. 263

Seffers, P. 75

Seiple, T.F. 301

Senchenkova, S.N. 103

Seppo, A. 191

Severin, T. 87

Shashkov, A.S. 103

Shibaev, V.N. 103

Smalec, B. 269

Springer, T. 115

Stahmann, K.-P. 115

Stanley, S.M.R. 95

Starukhina, L.A. 103

Steiner, T. 1

Tagliaferri, F. 301

Tate, M.E. 143

Teixeira, A.Z.A. 309

Trevitt, C. 229

Verchère, J.-F. 161

Vig, R. 279

Villa, P. 171

Vogt, S. 315

Von Itzstein, M. 269

Widmalm, G. 237

Williamson, M.P. 229

Withers, S.G. 273

Yates, E.A. 65

Yu, L. 293

Zhang, H. 129



ELSEVIER

Carbohydrate Research 266 (1995) C9–C11

CARBOHYDRATE  
RESEARCH

## SUBJECT INDEX

- 3-Acetamido- and 3-azido-3-deoxy- $\alpha$ -D-mannose, synthesis of GDP-, 285
- Acetolytic fission of a single glycosidic bond of fully benzoylated  $\alpha$ -,  $\beta$ - and  $\gamma$ -cyclodextrins. A novel approach to the preparation of maltooligosaccharide derivatives regioselectivity modified at their nonreducing ends, 263
- Activation of carboxymethylcellulose with the swelling system *N,N*-dimethylacetamide-*O*-*p*-toluenesulfonic acid, a preliminary to sulfation, 315
- N*-Acylglycosylamines, a straightforward preparation of as carbohydrate based detergents; improved synthesis of glycosylamines, 211
- Agarose, 53
- Amadori compound, *N*-(1-deoxy- $\beta$ -D-fructos-1-yl)-glycine, the crystal structure of an, 5
- 2-Amino-2-deoxy-D-glucopyranose 3-*O*-sulfate, 65
- 2-Amino-2-deoxy-D-glucopyranose 6-*O*-sulfate, 65
- Amphiphiles: the crystal structures of *N*-(1-octyl)-D-arabinonamide and *N*-(1-dodecyl)-D-ribonamide and the supramolecular assembly-forming properties of *N*-(1-octyl)-D-pentonamide, on the conformational and packing behavior of acyclic-sugar, 15
- O-Antigen oligosaccharides from two strains of *Moraxella catarrhalis* serotype C, structural studies, 237
- Arthrobacter* sp., structure of a new acidic exopolysaccharide (simusan) from, 103
- Binding, 229
- Bis(glycosyl) ethers as bolaamphiphile surfactants, synthesis of novel, 171
- Bis-*O*-(tetraisopropylidisiloxane-1,3-diyl)-*chiro*-inositol, a useful intermediate for the preparation of several novel cyclitols, 1L-2,3:4,5-, 301
- Bradyrhizobium japonicum* strain USDA61, synthetic studies on lipooligosaccharide Nod Bj-IV (C<sub>18:1</sub>,Fuc,Gro) produced by, C1
- Capsular polysaccharide of *Escherichia coli* K57, a partial reductive-cleavage study of the, 95
- Carboxymethylcellulose sulfate of high degree of sulfation, preparation, 315
- Carrageenans, 53
- Cellulose and its model compounds by Mn(III), kinetic studies on the oxidation of, 129
- Cinerean, a  $\beta$ -(1  $\rightarrow$  3)(1  $\rightarrow$  6)-D-glucan produced by *Botrytis cinerea*, structural properties of native and sonicated, 115
- Conformational and packing behavior of acyclic-sugar amphiphiles: the crystal structures of *N*-(1-octyl)-D-arabinonamide and *N*-(1-dodecyl)-D-ribonamide and the supramolecular assembly-forming properties of *N*-(1-octyl)-D-pentonamide, on the, 15
- Core oligosaccharide, 221
- Crystal structures of cyclodextrins and oligosaccharides, reliability of assigning O-H  $\cdots$  O hydrogen bonds to short intermolecular O  $\cdots$  O separations, 1
- Crystal structures of *N*-(1-octyl)-D-arabinonamide and *N*-(1-dodecyl)-D-ribonamide and the supramolecular assembly-forming properties of *N*-(1-octyl)-D-pentonamide, on the conformational and packing behavior of acyclic-sugar amphiphiles: the, 15
- Cyclodextrin and oligosaccharide crystal structures, reliability of assigning O-H  $\cdots$  O hydrogen bonds to short intermolecular O  $\cdots$  O separations, 1
- $\beta$ -Cyclodextrin, regioselectivity of alkylation and synthesis of its mono-2-*O*-methyl-, -ethyl-, -allyl-, and -propyl derivatives, 75
- Cyclodextrins, fully benzoylated  $\alpha$ -,  $\beta$ -, and  $\gamma$ -, acetylation and conversion of the products

- into regioselectively modified maltooligosaccharide derivatives, 263
- Cyclomaltoheptaose (see  $\beta$ -cyclodextrin), 75
- N*-(1-Deoxy- $\beta$ -D-fructos-1-yl)-glycine, the crystal structure of an Amadori compound, 5
- 2-Deoxy-2-fluoro-2-iodo-D-glucose, synthesis, radiolabelling, and kinetic evaluation of, 273
- 2-Deoxy-2-fluoro-2-iodo-D-hexoses for medical imaging, synthesis, radiolabelling, and kinetic evaluation, 273
- 2-Deoxy-2-fluoro-2-iodo-D-mannose, synthesis, radiolabelling, and kinetic evaluation of, 273
- 2'-Deoxyguanosine, reaction of, with glucose, 87
- Dextran, 229
- Dextran activation of dextranase, mechanism of, 293
- Dextranase, mechanism of dextran activation of, 293
- E. coli* K57, a partial reductive-cleavage study of the capsular polysaccharide, 95
- Erwinia chrysanthemi*, extracellular polysaccharide of, 153
- Extracellular polysaccharide of *Erwinia chrysanthemi*, 153
- D-Fructose-glycine, the crystal structure of an Amadori compound, 5
- L-Fructose, application of a phase transfer reaction to synthesis of, 81
- GDP-3-acetamido-3-deoxy- $\alpha$ -D-mannose and GDP-3-azido-3-deoxy- $\alpha$ -D-mannose, synthesis, 285
- Glucose, reaction of 2'-deoxyguanosine with, 87
- Glycosylamines, improved synthesis and a straightforward preparation of *N*-acylglycosylamines as carbohydrate-based detergents, 211
- Glycosyltransferase, 191
- Hafnia alvei*, 221
- Heparin, 37, 65
- Heparinase of *Flavobacterium heparinum*, 37
- $^1\text{H}$  NMR, 37, 191
- HPAEC, 191
- HPLC, 53
- O-H  $\cdots$  O Hydrogen bonds, reliability of assignment to short intermolecular O  $\cdots$  O separations in cyclodextrin and oligosaccharide crystal structures, 1
- In vitro synthesis, 191
- Industrial-fermentation byproduct, trehalose as a common, 147
- cis*-Inositol, a simple synthesis of, 143
- Kdo, 221
- Kinetic studies of the oxidation of cellulose and its model compounds by Mn(III), 129
- Lipooligosaccharides from two strains of *Moraxella catarrhalis* serotype C, structural studies of the oligosaccharide parts, 237
- Lipooligosaccharide Nod Bj-IV (C<sub>18:1</sub>,Fuc,Gro) produced by *Bradyrhizobium japonicum* strain USDA61, synthetic studies on, C1
- Lipopolysaccharides, 221
- MALDI-MS, 191
- Maltooligosaccharide derivatives, regioselectively modified preparation via acetolysis of fully benzoylated  $\alpha$ -,  $\beta$ -, and  $\gamma$ -cyclodextrins, 263
- Mannose-containing polysaccharides, of lichen mycobionts, chemotypes of, a possible aid in classification and identification, 309
- Mechanism of dextran activation of dextranase, 293
- Medical imaging, syntheses, radiolabelling, and kinetic evaluation of 2-deoxy-2-fluoro-2-iodo-D-hexoses for, 273
- Methanolysis, 53
- Methyl *O*-( $\beta$ -D-galactopyranosyl)-(1  $\rightarrow$  3)-*O*-(D-L-fucopyranosyl-(1  $\rightarrow$  4))-2-acetamido-2-deoxy-6-*O*-sulfo- $\beta$ -D-glucopuranoside sodium salt, synthesis of, as a potential ligand for selection molecules, 279
- Moraxella (Branhamella) catarrhalis*, structural studies of the oligosaccharide parts of serotype C lipopolysaccharides, 237
- MS, 53
- NMR, 53, 221, 229
- Nod Bj-IV (C<sub>18:1</sub>,Fuc,Gro) produced by *Bradyrhizobium japonicum* strain USDA61, synthetic studies on lipooligosaccharide, C1
- Novel cyclitols, 1L-2,3:4,5-bis-*O*-(tetraisopropylidisiloxane-1,3-diyl)-*chiro*-inositol, a useful intermediate for the preparation of several, 301
- O-Protected thiohydroxymate-linked pseudodisaccharides, synthesis of, 321
- Oxidation of cellulose and its model compounds by Mn(III), kinetic studies on the, 129
- Phase transfer reaction, application of a, to the synthesis of L-fructose, 81
- Poly *N*-acetylactosaminoglycan, 191
- Polyphenol, 229

- Polysaccharide from *Arthrobacter* sp., structure of simusan a new acidic, 103
- Polysaccharide of *Erwinia chrysanthemi*, extracellular, 153
- Polysaccharide produced by *Botrytis cinerea*, structural properties of native and sonicated cinerean, 115
- Polysaccharides, mannose-containing, classification and identification, 309
- Porcine intestinal heparin, 37
- Pseudodisaccharides, synthesis of O-protected thiohydroxymate-linked, 321
- Reductive-cleavage study of the capsular polysaccharide of *Escherichia coli* K57, a partial, 95
- S-Sialyl nucleoside analogue, an improved synthesis of an important, 269
- Selectin molecules, synthesis of methyl O-( $\beta$ -D-galactopyranosyl)-(1  $\rightarrow$  3)-O-[D-L-fucopyranosyl-(1  $\rightarrow$  4)]-2-acetamido-2-deoxy-6-O-sulfo- $\beta$ -D-glucopyranoside sodium salt as a potential ligand for, 279
- Simusan, a new acidic exopolysaccharide from *Arthrobacter* sp. structure of, 103
- Structural properties of native and sonicated cinerean, a  $\beta$ -(1  $\rightarrow$  3)(1  $\rightarrow$  6)-D-glucan produced by *Botrytis cinerea*, 115
- Sulfation of carboxymethylcellulose to achieve a high degree of substitution, 315
- Surfactants, synthesis of novel bis(glycosyl) ethers as bolaamphiphile surfactants, synthesis of novel, 171
- Synthesis of an important S-sialyl nucleoside analogue, an improved, 269
- Synthesis of novel bis(glycosyl) ethers as bolaamphiphile surfactants, 171
- Synthesis of GDP-3-acetamido- and GDP-3-azido-3-deoxy- $\alpha$ -D-mannose, 285
- Tannin, 229
- Trehalose as a common industrial-fermentation byproduct, 147
- Tungstate and molybdate complexes of volemitol, a  $^{13}\text{C}$  and  $^{183}\text{NMR}$  study, 161
- X-ray crystallography, 65